

TUESDAY, JUNE 16, 2015

Livestock - Ranching – Climate Change Topics

9:00 AM **Tracking climate extremes across the southwest**

Presentation Description:

This presentation provides an overview of how climate impacts our environment where we live, work, and play. While it's important to know how cold, hot, dry, and wet it can be at your location, the climate can have profound influences on soils, vegetation, and hydrology. I will specifically discuss how drought has affected our lands where we see more and more land impacted by wind erosion and land cover changes. I will also discuss potential wind erosion mitigation options.

David DuBois, NM State Climatologist, New Mexico State University, Las Cruces, NM

Presenter Bio:

Dr. Dave DuBois has been the New Mexico State Climatologist since February 2010 and is the director of the New Mexico Climate Center in Las Cruces. Dr. DuBois teaches and trains students in the Plant and Environmental Sciences Department at New Mexico State University. For his role as State Climatologist, he provides climate and climate change information and education to policy makers, the agricultural community, industry, educators, and the public. Dr. DuBois maintains an active research program in air quality and climate, conducting studies to understand the nature and origins of atmospheric pollutants that we breathe. He is also the New Mexico Community Collaborative Rain, Hail and Snow state coordinator and looking for more volunteers to join. Dr. DuBois holds BA in physics from Rutgers, a MS in physics from NMSU, and a doctorate in Atmospheric Sciences from the University of Nevada Reno.



Faculty page at NMSU: <http://aces.nmsu.edu/academics/pes/david-w-dubois.html>

New Mexico Climate Center: <http://weather.nmsu.edu>

Personal webpage: <http://web.nmsu.edu/~dwdubois/>

9:45 AM **How Pre-Weaning Health Program Adds Value to Your Calves**

Dr. Manny Encinias, PhD, AC Nutrition Livestock Nutritionist



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10:15 AM Navajo / Native Beef Program

Ivan Becenti, Acting Manager, Tribal Ranches Program, Navajo Nation Department of Agriculture

10:45 AM Horse Management Program on the Navajo Nation

Navajo Nation Department of Agriculture

11:15 AM USDA-NRCS Farm Bill

Keisha Tatum, NRCS AZ State Conservation Director

1:30 PM Livestock Health Problems Related to Drought

Peder Cuneo, DVM, U of AZ

2:00 PM How Social Media & Apps in Ag

Sonja Jo Serna, NMSU-ACES Multimedia Specialist

Presenter Bio:

Sonja Jo Serna is a Senior Information Technology and Multimedia Specialist with NMSU, Cooperative Extension Service.

Her primary responsibilities include social media and technology training; web development and design; and partnering with agents and specialists to assist them in utilizing technology to enhance their programs.

Born and raised in small towns throughout New Mexico, she is a graduate of NM State University and has been with Cooperative Extension Service for 24-years.

2:45 PM Results of the 2012 Census of Agriculture on American Indian Reservations in Arizona

Presentation Description:

Review of USDA NASS and purpose for Census of Agriculture, emphasizing Indian Country agriculture. Show results of 2012 Census of Agriculture with historical comparisons, if available.

Dave Dewalt, State Statistician, USDA NASS AZ Field Office

Presenter Bio:

Employed by NASS 28 years (15+ years in AZ, 4 years Idaho, 7 years in Washington DC, 18 months in CA). University of Arizona graduate in Agricultural Economics, raised on a 5-acre farm in Cochise County in southeastern AZ.



3:30 PM **Agriculture Takes to the Air via Unmanned Aircraft**

Presentation Description:

In 2006 the Jornada Experimental Range started using Unmanned Aircraft Systems (UAS) for rangeland monitoring and other research projects. Along with operating UAS comes the responsibility of learning and abiding by the FAA rules regarding UAS flights. The rules are changing, the potential uses are unlimited, and the aircraft capabilities are rapidly expanding.

Connie Maxwell, Biological Science Technician, USDA Agricultural Research Service, Jornada Experimental Range

Presenter Bio:

After completing her Masters in Agronomy at New Mexico State University, Connie conducted research on field and greenhouse grown alfalfa. This led to research on the dominant shrub and grass species on the Jornada Experimental Range. Since 2006 she has collected aerial imagery using Unmanned Aircraft Systems on the Jornada for various scientific studies.

4:00 PM **What is Rangeland Insurance?**

Presentation Description:

Russ will be providing an overview of the newest range and livestock risk management tools available for Southwest producers. These tools provide protection against losses due to drought and other natural disasters and minimizing the financial impacts to the ranch.

Russell Tronstad, Distinguished Outreach Professor and Ag Econ Extension Specialist, The University of Arizona, Cooperative Extension, Department of Ag and Resource Economics

Presenter Bio:

Russell Tronstad is Distinguished Outreach Professor and Extension Specialist in the Department of Agricultural and Resource Economics, The University of Arizona. Russ was born in western Montana and grew up near the end of an irrigation shovel, the backside of cows, and on the seat of several tractors. He received his B.S. and M.S. degrees from Montana State University and Ph.D. from the University of Illinois in 1989. He then joined the department of Agricultural Economics as an Assistant Specialist. While at the University of Arizona his work and interests have focused on agricultural marketing – including direct farm marketing, tribal agriculture, risk management, and policy issues. He received the Cooperative Extension Faculty of the Year Award in 2005 and was recognized as Distinguished Outreach Professor in 2008.



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Presentation Title: Record Keeping for Your Farm and Ranch

Presentation Description:

Trent will be providing an overview of key recordkeeping information required to better understand your bottom line, access federal programs and financial assistance. He will demonstrate several record keeping tools available for both crop and livestock producers.

Trent Teegerstrom, Director Tribal Extension Programs and Ag Econ Extension Specialist, The University of Arizona, Cooperative Extension, Department of Ag and Resource Economics

Presenter Bio:

Trent is an Extension Specialist with the Department of Ag and Resource Economics and Director of the Arizona Tribal Extension Program (specifically the AZ Federally Recognized Tribal Extension Program (FRTEP) at the University of Arizona. He has worked with a variety of agricultural enterprises including dry-land farming in the mid-west; irrigated agriculture in the southwest; and livestock production in the northeast, mountain west, and southwest, he has also worked with the green industry in the west and with the fruit, nut and vegetable producers in the northeast and southwest. He joined the University of Arizona's Department of Agricultural and Resource Economics in 1997 after spending the previous two years as a Farm Business Management Specialist with Cornell Cooperative Extension working in farm finance and risk management areas. His main area of concentration is production economics, tribal agriculture, risk management, agricultural taxes and labor issues.

4:30 PM **Climate Change**
University of Arizona

5:15 PM **APHIS Tribal Update**
Terry Clark, APHIS

WEDNESDAY, JUNE 17, 2015

Farming – Family Nutrition Topics

8:15 AM **Climate and Producer Impact**

Presentation Description:

Complex topography and high amounts of interannual variability driven by patterns in the Pacific Ocean create a rich diversity in weather and climate patterns across the Southwest. This presentation will



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explore historical patterns and mechanisms driving climate variability across Arizona and how they may be impacted in a changing climate.

Michael A. Crimmins, Associate Professor And Extension Specialist - Climate Science, The University of Arizona, Cooperative Extension, Department of Soil, Water, & Environmental Science

Presenter Bio:

Dr. Crimmins is on the faculty of the Department of Soil, Water, and Environmental Science at the University of Arizona and is a Climate Science Extension Specialist for Arizona Cooperative Extension. In this position he provides climate science support to resource managers across Arizona by assessing information needs, synthesizing and transferring relevant research results and conducting applied research projects. His extension and research work supports resource management across multiple sectors including rangelands, forests/wildfire, and water resources as well as informing policy and decision makers. This work aims to support managers by increasing climate science literacy as well as developing strategies to adapt to a changing climate. He also serves as a drought monitoring expert on the Arizona Governor's Drought Task Force and has worked with counties across Arizona to implement drought preparedness and impact monitoring plans.



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8:45 AM Colorado River Water System Update

Ruth Thayer, Program Manager, Native American Affairs Office, Lower Colorado River Region, Bureau of Reclamation

9:15 AM **Hopi Traditional Farming & Gardening**

Max Taylor, Hopi Nation

9:45 AM **Record Keeping for Your Farm and Ranch AND What is Rangeland Insurance**

Russ Tronstad & Trent Teegerstrom, University of Arizona Extension Economics Specialist

Trent Teegerstrom: "Record Keeping for Your Farm and Ranch"

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10:30 AM **USDA National Appeals Division Western Region**

Joli Liebrock, Deputy Assistant Director

11:00 AM **Catch Rain for Home Gardens**

Presentation Description:

Rainwater harvesting is an ancient practice but modern society has forgotten the value of a raindrop. At this presentation, Cado will talk about the basics of rainwater harvesting, how to make simple, low-cost rainwater and gravity irrigation systems, and how to easily catch stormwater for plants as it runs across the ground in a rainstorm.

Ms. Cado Daily, M.A., ARCSA A.P., Water Resources Coordinator, Water Wise Program, University of Arizona Cochise County Cooperative Extension

Presenter Bio:

Cado is a Water Resources Coordinator with the University of Arizona Cochise County Cooperative Extension Water Wise program. She has been working with the Water Wise program for over 20 years where she promotes the use of rainwater and stormwater in residential and commercial locations. She is an American Rainwater Catchment Systems Association Accredited Professional and Rainwater Systems Inspector, and has earned a Water Policy Certificate and M.A. degree in Geography specializing in water resources from the University of Arizona.

11:30 AM **Empowering Tribal Communities to Manage Wild Horses & Burro Populations**

Presentation Description:

This presentation will discuss how Tribal communities can effectively manage wild horse and burro populations through remote delivery birth control utilizing the PZP vaccine, adoption, and other herd reduction strategies. Guidelines for developing a sustainable wild horse and burro management program will



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be provided that include how to find funding, measure results, and cultivate partnerships. Best practices from the Salt River Pima-Maricopa Indian Community Range Management's wild horse program will be shared

Diana Webster, Native American Humane Society

Brian Gwecke, Salt River Pima-Maricopa Indian Community, Range Management

1:30 PM **Method of Controlling Invasive Species**

Presentation Description

Buffelgrass is a non-native bunch grass that is originally from the African Savanna. It was introduced to Southern Arizona for erosion control alongside roadways and an additional food source for livestock. Buffelgrass adapted to the Southern Arizona high temperatures, however it introduced a fire hazard to an ecosystem that hardly experiences extreme fires. Introduced or Invasive species present unforeseeable effects that could alter the native ecosystem and biodiversity. The Tohono O'odham Nation's efforts to control the Buffelgrass population includes a regional efforts from multiple agency, public education and multiple methods of removal.

Holly Barton, Wildlife & Vegetation Management, Tohono O'odham Nation

Presenter Bio:

Holly Barton serves as the main contact for the Wildlife & Vegetation Management Program (WVMP). The primary responsibility of the Program to oversee all wildlife and vegetation and manage those resources in the best interests of the Tohono O'odham Nation. She received her B.S. Sustainability from Arizona State University and originally from Dilkon, Arizona on the Navajo Nation.

2:00 PM **San Xavier Cooperative Farms**

Ciena Schloefli, Food Productions Manager

Thomasina Camacho, Nursery Assistant

2:30 PM **Tohono O'odham Community Action**

Presentation description:

Ak Chin Farming in the desert is a process used by the Tohono O'odham Community Action to grow and produce food in a clean, environmentally sound and practical way. This process is more than just technical knowledge carried on, but an understanding of the past to help empower our community for the future.



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Nolan Johnson, Farm Manager, Ak Chin Farming

Anthony Francisco Jr., Cowlic Learning Center Coordinator, Tohono O'oham Community Action

3:15 PM **Mexican Grey Wolf in Indigenous Country UPDATE**

Chad Smith, Zoologist, Navajo Department of Fish and Wildlife

3:45 PM **APHIS Bio Technology**

William "Bill" Doley, BRS-APHIS, Government Relations Specialist, Policy Coordination Programs

4:15 PM **Rangeland Soil Health and Rain Simulator Demo**

Presentation Description:

The NRCS New Mexico team will give a 30-45 minute "Rangeland Soil Health: and LIVE rain demonstration. This is an active demonstration showing how health range land better uses rain water and is more resistant to drought.

Brenda Simpson, New Mexico – NRCS, State Rangeland Specialist

Presenter Bio:

Bachelor Degree in Rangeland Management and Animal Science, Certified Professional Range Management Specialist and member of the NM Cattle Growers Association. NRCS work history: 13 years as a Field Office Range Specialist, 4 years as an Area Specialist and currently serving as the State Rangeland Specialist.

6:00 PM Beef Quality Assurance Certification - \$5 for Certification, Room A & B.

THURSDAY, JUNE 17, 2015

LIVE Demonstrations – Family Health & Nutrition Topics

8:30 AM **Spotlight on Healthy Native Foods**

Presentation Description:

Local chef to demonstrate use of native foods in creating a healthy nutritious menus.



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Hector Munoz Vazquez, Chef, Twin Arrows

Presenter Bio:

Vazquez brings extensive culinary experience to his new position at Twin Arrows. He attended San Diego Mesa College and began his culinary career at notable hotels and resorts in California, Texas and New Mexico. He has held positions in San Diego at the Pan Pacific Hotel, Wyndham Emerald Plaza, Harrah's Rincon Casino and Resort, Paradise Point Resort and Spa, and the Hilton San Diego Bay Front. He was most recently employed as the assistant executive chef at Viejas Hotel and Casino in Alpine, California.

The restaurants at Twin Arrows Casino Resort offer extensive variety of food and beverage options.

Visitors can choose to dine in one of the casual cafes, a sports bar, or have a fine dining experience with award-winning wines. Resort guests also have the option for in-room dining service 24 hours a day.

Vazquez will also direct expansive catering services offered by Twin Arrows for everything from large business conferences and trade shows to special events and weddings. Additionally, Vazquez has also unveiled Zenith Steakhouse's new fall menu.

Now there's one more reason to visit Twin Arrows' Navajo Casino Resort. Wine Spectator's Restaurant Wine List Awards recently selected the resort's Zenith Steakhouse to receive the prestigious Award of Excellence.

9:30 AM Food of the Southwest

Presentation Description: Participants will learn which foods fall in each food group and how to balance their diet according to the MyPlate recommendations. Participants will be able to identify fruits and vegetables, whole grains, lean proteins, and low fat dairy options and learn how to incorporate them into a healthy diet.

Londa L. Ortega-Waggoner, Instructional Specialist Gila County Cooperative Extension and Chef

Presenter Bio

Londa is a 4th generation Arizona native. She comes from two very large Cattle ranching families in Gila and Pinal county. After High school graduation Londa attended Scottsdale Culinary institute Le Cordon Blue. Graduating in May of 1996. Londa spent two years on the Apache Reservation At Apache Gold Casino as the pastry chef. Londa went on to open the Scottsdale Nordstrom in 1998 running the restaurant. In the Summer of 2000 Londa started her family and was a stay at home mom to four children. In her spare time Londa taught private cooking classes at a kitchen specialty store once a week in the evenings. In 2012 Londa



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started working for University of Arizona Cooperative extension and is able to share her talents and knowledge in a teaching opportunity.

10:15 AM Family Gardening for Healthy Foods

Presentation Description:

Participants will learn tips for successful home gardening and how to incorporate their harvest into healthy recipes for healthy eating. Learn why fruits and veggies matter for healthy living.

Presenter Bio:

Cherilyn Yazzie, Program Manager, Navajo County Public Health Services District

Cherilyn Yazzie is Program Manager for the for the Supplemental Nutrition Assistance Program providing

Presenter Bio: Cherilyn Yazzie is Program Manager for Nutritional Services Program and Supplemental Nutrition Assistance Program providing nutrition, health, and physical fitness education programs throughout Navajo and Apache Counties.

11:00 AM Healthy Kids: Healthy Nations

Presentation Description:

This presentation will provide information on early childhood development and health including helpful guidelines for parents and caregivers to encourage healthy, active kids. Topics include developmental milestones, early brain development, and health and nutritional needs for children.

Joyce Alves, County Director, Extension Agent; Family, Consumer and Health Sciences

Presenter Bio:

Joyce Alves oversees the administration of the University of Arizona Apache County Cooperative Extension programs in agriculture, natural resources, youth development, and family, consumer, and health sciences. Joyce's programs focus on early childhood education, nutrition, and health.



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LIVE Demonstration – Livestock Workshop, Hart Ranch

BQA Chute – side Demonstration

Dr. Dan Faulkner, University of Arizona

Low Stress Livestock Handling

Max Taylor, Hopi Tribe

Selecting the Proper Tack for the Job

Bill Inman “The Man Who rode cross country on Horse back”

Bull Selection using EPDs / Interpreting Carcass Data

Jesse LeFevre, New Mexico State University

Bill Inman, Padres Mesa Ranch

